

Message Text

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PAGE 01 STATE 188158

63

ORIGIN EB-11

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 RSC-01 TRSE-00

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TO USMISSION OECD PARIS PRIORITY

C O N F I D E N T I A L STATE 188158

EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM, GW, GE

SUBJECT: GERMAN MONOCRYSTALLINE COMPOUND TO THE GDR -
IL 1757

REF : SCOM(74)408

RESERVE. US TECHNICAL EXPERTS WOULD LIKE TO KNOW (1)
HOW THESE GGG SUBSTRATES ARE TO BE USED TO PRODUCE TRAN-
SISTORS AND (2) HOW THE GERMANS RELATE THIS MATERIAL TO
BUBBLE MEMORY DEVICES.

FYI GGG SUBSTRATES CAN BE USED FOR THE EXPITAXIAL LAYERING
OF SEMICONDUCTOR MATERIALS ON MAGNETIC TYPE GARNETS.
THE RESULT, HOWEVER, CAN BE A HIGHLY SOPHISTICATED TRAN-
SISTORIZED INTEGRATED CIRCUIT FOR USE IN MICROWAVE
APPLICATIONS. THIS SAME TECHNIQUE SERVES TO FORM BUBBLE
MEMORY DEVICES USING GGG AS THE NON-MAGNETIC SUBSTRATE.
HENCE, THE ABOVE QUESTION. KISSINGER

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Message Attributes

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Disposition Authority: martinml
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